

A. CLASSIFICATION OF SUBJECT MATTER
IPC 7 H01Q1/38 H01Q1/24 H01Q5/00

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)
IPC 7 H01Q

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal, WPI Data, PAJ, INSPEC

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	PUES H F ET AL: "AN IMPEDANCE-MATCHING TECHNIQUE FOR INCREASING THE BANDWIDTH OF MICROSTRIP ANTENNAS" IEEE TRANSACTIONS ON ANTENNAS AND PROPAGATION, IEEE INC. NEW YORK, US, vol. 37, no. 11, 1 November 1989 (1989-11-01), pages 1345-1354, XP000100599 ISSN: 0018-926X paragraph 'VI.A.1; figure 6 -----	1-7
X	US 4 445 122 A (PUES HUGO F) 24 April 1984 (1984-04-24) column 3, line 3 - line 27; figures 1,2 -----	1-7
X	EP 0 469 779 A (SONY CORP) 5 February 1992 (1992-02-05) figures 1-3 -----	1
		-/-

Further documents are listed in the continuation of box C.

Patent family members are listed in annex.

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- *A* document defining the general state of the art which is not considered to be of particular relevance
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- *&* document member of the same patent family

Date of the actual completion of the international search

8 November 2004

Date of mailing of the international search report

17/01/2005

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C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	KRAUSS, J.D.: "Antennas". 1988, McGRAW-HILL, USA, XP002304444 page 740, paragraph 2 - page 741, paragraph 1; figures 16-25 -----	1
A	EP 1 152 482 A (NOKIA MOBILE PHONES LTD) 7 November 2001 (2001-11-07) figures 2,7 -----	4,6,7
A	US 2003/043081 A1 (ACHIM HILGERS) 6 March 2003 (2003-03-06) paragraph '0002!; figures 1,2 -----	4,6,7
A	US 5 604 507 A (OPENLANDER WAYNE R) 18 February 1997 (1997-02-18) -----	1

INTERNATIONAL SEARCH REPORT

Information on patent family members

International Application No

PCT/IB2004/051471

Patent document cited in search report		Publication date		Patent family member(s)		Publication date
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			JP	4086101 A	18-03-1992	
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			WO	9732358 A1	04-09-1997	

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